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What is claimed is:

- 1. A composite reinforced thermoplastic sheet comprising a thermoplastic sheet and a fabric reinforcing layer adhered thereto, wherein said thermoplastic sheet comprises a polymer blend of ethylene-styrene interpolymer, polyolefin, and
- 5 thermoplastic rubber and at least one fire retardant.
- The reinforced thermoplastic sheet according to claim 1, wherein said at least one fire retardant is selected from the group consisting of: antimony trioxide,
- 8 bromine fire retardant, and phosphate fire retardant.
 - 3. The reinforced thermoplastic sheet according to claim 1, wherein said polymer blend further comprises a colorant.
 - 4. The reinforced thermoplastic sheet according to claim 1, wherein said polymer blend further comprises an ultraviolet stabilizing package.
 - 5. The reinforced thermoplastic sheet according to claim 1, wherein said polyolefin of said polymer blend comprises a metallocene polyethylene.
- 15 6. The reinforced thermoplastic sheet according to claim 1, wherein said 16 thermoplastic rubber of said polymer blend comprises ethylene-propylene-diene rubber.
- 7. The reinforced thermoplastic sheet according to claim 1, wherein said polymer blend comprises between about 10-50% by wt. ethylene-styrene interpolymer, between about 20-70% by wt. polyolefin, and between about 10-30% by wt. thermoplastic rubber.
- 8. A composite reinforced thermoplastic sheet comprising a thermoplastic sheet and a fabric reinforcing layer adhered thereto, wherein said thermoplastic sheet is a polymer blend comprising about 30% by wt. ethylene rich ethylene-styrene interpolymer,

- about 30% by wt. metallocene polyethylene, about 20% by wt. ethylene-propylene-diene
- 2 rubber, about 15% by wt. bromine fire retardant, about 5% by wt. antimony trioxide, and
- 3 about 1% by wt. ultraviolet stabilizing package.
- 4 9. The reinforced thermoplastic sheet according to claim 8, wherein said
- 5 fabric reinforcing layer comprises a polypropylene knit fabric having a basis weight of
- 6 about 2-6 oz/yd 2 .
- 7 10. The reinforced thermoplastic sheet according to claim 8, wherein said
- 8 fabric reinforcing layer comprises a polyester knit fabric having a basis weight of about 2-
- 9 6 oz/yd 2 .
- 10 11. The reinforced thermoplastic sheet according to claim 8, wherein said
- 11 fabric reinforcing layer comprises a polypropylene non-woven fabric having a basis
- 12 weight of about 2-6 oz/yd².
- 13 12. The reinforced thermoplastic sheet according to claim 8, wherein said
- 14 fabric reinforcing layer comprises a polyester non-woven fabric having a basis weight of
- 15 about 2-6 oz/yd 2 .
- 16 13. A composite reinforced thermoplastic sheet comprising a thermoplastic
- sheet and a fabric reinforcing layer adhered thereto, wherein said thermoplastic sheet
- 18 comprises a polymer blend of ethylene-styrene interpolymer, polyurethane, and
- 19 thermoplastic rubber and at least one fire retardant.
- 20 14. The reinforced thermoplastic sheet according to claim 13, wherein said at
- 21 least one fire retardant is selected from the group consisting of: antimony trioxide,
- bromine fire retardant, and phosphate fire retardant.

- 1 15. The reinforced thermoplastic sheet according to claim 13, wherein said 2 polymer blend further comprises a colorant.
- The reinforced thermoplastic sheet according to claim 13, wherein said polymer blend further comprises an ultraviolet stabilizing package.
- The reinforced thermoplastic sheet according to claim 13, wherein said polyurethane of said polymer blend comprises an aliphatic polyurethane.
- 7 18. The reinforced thermoplastic sheet according to claim 13, wherein said 8 thermoplastic rubber of said polymer blend comprises ethylene-propylene-diene rubber.
 - 19. The reinforced thermoplastic sheet according to claim 13, wherein said polymer blend comprises between about 10-50% by wt. ethylene-styrene interpolymer, between about 20-70% by wt. polyurethane, and between about 10-30% by wt. thermoplastic rubber.
 - 20. A composite reinforced thermoplastic sheet comprising a thermoplastic sheet and a fabric reinforcing layer adhered thereto, wherein said thermoplastic sheet is a polymer blend comprising about 24% by wt. ethylene rich ethylene-styrene interpolymer, about 24% by wt. styrene rich ethylene-styrene interpolymer, about 28% by wt. aliphatic polyurethane, about 15% by wt. bromine fire retardant, about 5% by wt. antimony trioxide, about 3% by wt. colorant, and about 1% by wt. ultraviolet stabilizing package.
 - 21. The reinforced thermoplastic sheet according to claim 20, wherein said fabric reinforcing layer comprises a polypropylene knit fabric having a basis weight of about 2-6 oz/yd².

- 1 22. The reinforced thermoplastic sheet according to claim 20, wherein said
- 2 fabric reinforcing layer comprises a polyester knit fabric having a basis weight of about 2-
- 6 oz/yd^2 .
- 4 23. The reinforced thermoplastic sheet according to claim 20, wherein said
- 5 fabric reinforcing layer comprises a polypropylene non-woven fabric having a basis
- 6 weight of about 2-6 oz/yd².
- 7 24. The reinforced thermoplastic sheet according to claim 20, wherein said
- 8 fabric reinforcing layer comprises a polyester non-woven fabric having a basis weight of
- 9 about 2-6 oz/yd².